

an obtaining unit, arranged to obtain identification information representing an image reading device mounted on the carriage;

C) a storage, arranged to store a plurality of reference data, which represents a signal level outputted from an image reading device in a process for obtaining predetermined reference data, in association with identification information of the image reading device; and

a setter, arranged to read out the reference data from said storage corresponding to the identification information obtained by said obtaining unit and set the readout reference data in the memory of the image reading device mounted on the carriage.

5.6D, } 41. (Twice Amended) An image processing apparatus having a carriage on which an image reading device for reading an image of original is detachably mounted, said apparatus comprising:

an obtaining unit, arranged to obtain identification information representing an image reading device mounted on the carriage;

a storage, arranged to store reference data, which represents a signal level outputted from an image reading device in a process for obtaining predetermined reference data, in association with identification information of the image reading device; and

a setter, arranged to read out the reference data from said storage corresponding to the identification information obtained by said obtaining unit and set the readout reference data in the image reading device mounted on the carriage, wherein a print head unit for forming an

C1 image on a printing medium is detachably mounted on the carriage instead of the image reading device.

5,601,7 44. (Twice Amended) An image processing apparatus having a carriage on which an image reading device for reading an image of original is detachably mounted, said apparatus comprising:

C2 an obtaining unit, arranged to obtain identification information representing an image reading device mounted on the carriage;

a storage, arranged to store reference data, which represents a signal level outputted from an image reading device in a process for obtaining predetermined reference data, in association with identification information of the image reading device; and

a setter, arranged to read out the reference data from said storage corresponding to the identification information obtained by said obtaining unit and set the readout reference data in the image reading device mounted on the carriage, further comprising a detector arranged to detect an ambient temperature near the carriage, wherein said storage further stores the ambient temperature in obtaining the reference data.

C3 49. (Twice Amended) An image reading method for an image processing apparatus having a carriage on which an image reading device for reading an image of original is detachably mounted, wherein said image reading device has a memory arranged to store

reference data and a correction unit arranged to correct an image signal with the reference data, said method comprising the steps of:

obtaining identification information representing an image reading device mounted on the carriage;

reading out reference data corresponding to the obtained identification information from a storage, wherein the storage stores a plurality of reference data, which represents a signal level outputted from an image reading device in a process for obtaining predetermined reference data, in association with identification information of the image reading device; and

setting the readout reference data in the memory of the image reading device mounted on the carriage.

51. (Amended) A computer program product comprising a computer readable medium storing computer program code, for reading an image of original by using an image processing apparatus having a carriage on which an image reading device for reading an image of original is detachably mounted, wherein said image reading device has a memory arranged to store reference data and a correction unit arranged to correct an image signal with the reference data, said product comprising process procedure codes for:

obtaining identification information representing an image reading device mounted on the carriage;

CH reading out reference data corresponding to the obtained identification information from a storage, wherein the storage stores a plurality of reference data, which represents a signal level outputted from an image reading device in a process for obtaining predetermined reference data, in association with identification information of the image reading device; and

setting the readout reference data in the memory of the image reading device mounted on the carriage.

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CO 73. (New) The apparatus according to claim 41, wherein the identification information is input by a user.

74. (New) The apparatus according to claim 41, wherein the identification information is stored in the image reading device.

75. (New) The apparatus according to claim 44, wherein the identification information is input by a user.

76. (New) The apparatus according to claim 44, wherein the identification information is stored in the image reading device.